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Title: **Structural differences in enamel and dentin in human, bovine, porcine, and ovine teeth**

Running title: Crystalline nanostructure of teeth in four species

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ABSTRACT

Background: the aim was to study differences between crystalline nanostructures from the enamel and dentin of human, bovine, porcine, and ovine species.

Methods: dentine and enamel fragments extracted from sound human, bovine, porcine and ovine incisors and molars were mechanically ground up to a final particle size of < 100 µm. Samples were

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